

## TRUCKEE RIVER BASIN, LAKE TAHOE

10336730 GLENBROOK CREEK AT GLENBROOK, NV

LOCATION.--Lat 39°05'15", long 119°56'20" referenced to North American Datum of 1927, in NE 1/4 SE 1/4 sec. 10, T.14 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 50 ft upstream from culvert, 100 ft upstream from mouth at Glenbrook, and 1.8 mi southwest of Spooner Lake.

DRAINAGE AREA.--4.11 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1967-1971. October 1971 to September 1975, November 1987 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,240 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to November 16, 1987, at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow may be affected by pumping or diverting for irrigation above station.  
See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144 ft<sup>3</sup>/s, January 2, 1997, gage height, 6.46 ft; no flow August 12, 1994.PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5.0 ft<sup>3</sup>/s and maximum (\*):

	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)		Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
	March 18	2015	*7.3	*2.06				No other peaks greater than base discharge.	

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.20	1.2	0.58	1.0	0.99	1.2	3.4	2.5	1.1	0.52	0.08	0.05
2	0.21	1.2	0.52	0.96	0.98	1.2	2.8	2.6	1.1	0.50	0.09	0.05
3	0.22	1.3	0.52	0.91	1.0	1.1	2.9	2.6	1.1	0.42	0.10	0.06
4	0.22	1.2	0.51	0.87	1.00	1.1	3.4	2.7	1.2	0.36	0.11	0.08
5	0.22	1.3	0.66	0.87	0.98	1.1	3.7	2.5	1.1	0.32	0.10	0.09
6	0.22	1.2	0.97	0.99	0.91	1.3	3.7	2.3	e1.1	0.30	0.08	0.08
7	0.22	1.3	e1.0	1.00	0.88	1.7	3.1	2.7	e1.1	0.32	0.09	0.08
8	0.22	1.3	1.00	1.0	0.96	2.3	3.3	2.3	e1.2	0.35	0.08	0.08
9	0.21	e1.1	0.93	1.0	0.88	2.7	3.4	2.0	1.2	e0.33	0.07	0.08
10	0.21	1.1	0.98	1.0	0.90	3.2	3.3	1.9	1.1	e0.28	0.06	0.04
11	0.24	1.0	0.94	0.97	0.84	3.2	3.0	2.6	0.98	e0.25	0.05	0.03
12	0.24	1.0	0.94	0.94	0.84	3.2	3.1	1.9	0.90	e0.23	0.05	0.03
13	0.22	0.96	1.1	0.93	e0.85	3.4	3.3	1.7	0.88	e0.20	0.05	0.04
14	0.25	0.90	1.1	0.99	0.86	3.6	3.0	1.6	0.83	e0.18	0.05	0.06
15	0.24	0.98	0.98	1.00	0.85	3.8	2.8	1.5	0.72	0.15	0.08	0.09
16	0.24	0.92	1.0	0.95	e0.88	4.3	2.7	1.5	0.69	0.17	0.14	0.13
17	0.25	0.92	1.0	0.96	e0.90	4.6	2.6	1.4	0.69	0.17	0.10	0.15
18	0.28	0.74	1.0	0.96	e0.94	5.3	2.3	1.4	0.71	0.16	0.06	0.14
19	0.30	0.72	1.0	0.93	e0.98	5.4	2.3	1.4	0.69	0.19	0.05	0.17
20	0.34	0.79	1.1	0.98	1.0	5.4	2.2	1.4	0.70	0.19	0.05	0.26
21	0.37	0.82	1.2	1.1	1.0	5.7	2.1	1.4	0.63	0.18	0.05	0.30
22	0.37	0.61	1.2	1.1	1.0	5.9	2.1	1.4	0.50	0.19	0.06	0.28
23	0.39	0.61	1.2	1.2	1.0	5.8	2.0	1.3	0.45	0.17	0.08	0.26
24	0.37	0.62	e1.2	1.1	1.0	5.1	2.1	1.3	0.39	0.16	0.09	0.25
25	0.38	0.60	1.2	1.1	e1.0	4.5	2.3	1.3	0.38	0.13	0.07	0.25
26	0.37	0.63	1.0	1.1	e1.0	4.0	2.4	1.2	0.35	0.09	0.07	0.26
27	0.42	0.58	0.89	1.1	e1.1	3.5	2.6	1.2	0.31	0.10	0.07	0.26
28	0.45	0.59	0.93	1.1	1.1	3.3	2.7	1.6	0.33	0.06	0.07	0.26
29	0.54	0.64	0.96	1.0	1.1	3.4	2.5	1.4	0.35	0.07	0.05	0.26
30	0.59	0.60	0.93	1.0	---	3.5	2.4	1.2	0.44	0.07	0.05	0.32
31	0.89	---	0.92	1.0	---	3.5	---	1.2	---	0.07	0.05	---
TOTAL	9.89	27.43	29.46	31.11	27.72	107.3	83.5	55.0	23.22	6.88	2.25	4.49
MEAN	0.32	0.91	0.95	1.00	0.96	3.46	2.78	1.77	0.77	0.22	0.07	0.15
MAX	0.89	1.3	1.2	1.2	1.1	5.9	3.7	2.7	1.2	0.52	0.14	0.32
MIN	0.20	0.58	0.51	0.87	0.84	1.1	2.0	1.2	0.31	0.06	0.05	0.03
AC-FT	20	54	58	62	55	213	166	109	46	14	4.5	8.9

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

MEAN	0.75	1.01	1.08	1.49	1.33	2.45	3.16	4.42	2.40	0.88	0.54	0.51
MAX	1.80	1.87	2.25	8.31	3.08	5.43	7.80	14.0	12.0	3.68	1.95	1.93
(WY)	(1999)	(1999)	(1997)	(1997)	(1997)	(1997)	(1997)	(1999)	(1998)	(1998)	(1999)	(1998)
MIN	0.16	0.31	0.34	0.32	0.41	0.66	0.63	0.33	0.24	0.08	0.01	0.04
(WY)	(1993)	(1993)	(1991)	(1991)	(1991)	(1991)	(1992)	(1992)	(1992)	(1991)	(1994)	(1994)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1972 - 2004
ANNUAL TOTAL	395.33	408.25	
ANNUAL MEAN	1.08	1.12	1.72
HIGHEST ANNUAL MEAN			3.97
LOWEST ANNUAL MEAN			0.36
HIGHEST DAILY MEAN	4.2	May 24	85
LOWEST DAILY MEAN	0.05	Jul 19	0.00
ANNUAL SEVEN-DAY MINIMUM	0.06	Jul 16	0.00
MAXIMUM PEAK FLOW			144
MAXIMUM PEAK STAGE			6.46
ANNUAL RUNOFF (AC-FT)	784	810	1,250
10 PERCENT EXCEEDS	2.3	2.8	3.7
50 PERCENT EXCEEDS	0.92	0.93	1.0
90 PERCENT EXCEEDS	0.13	0.08	0.17

e Estimated